

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number  
**WO 2004/091438 A3**

(51) International Patent Classification<sup>7</sup>: **C07K 14/00**,  
A61K 38/10, 38/16, A61P 27/02

(21) International Application Number:  
PCT/US2004/011575

(22) International Filing Date: 15 April 2004 (15.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/462,940 15 April 2003 (15.04.2003) US

(71) Applicant (*for all designated States except US*): **FXS VENTURES, LLC** [US/US]; 22 Fox Run Lane, Salem, NH 03079 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SMITH, Francis, X.** [US/US]; 22 Fox Run Lane, Salem, NH 03079 (US).  
**CRAWFORD, Kathryn, S.** [US/US]; 23 Overledge Drive, Derry, NH 03038 (US).

(74) Agent: **BLANK, Christopher, E.**; Hiscock & Barclay, LLP, 2000 HSBC Plaza, Rochester, NY 14604-2404 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
24 March 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: IMPROVED OPHTHALMIC AND CONTACT LENS SOLUTIONS CONTAINING PEPTIDES AS REPRESENTATIVE ENHANCERS

(57) Abstract: A contact lens solution comprising 0.001 to 10 weight percent or a preservative enhancer chosen from the group consisting of: D4E 1, D2A2 1, and P- 113; and at least 0.0001 weight percent of a preservative, and where the concentration of chloride in said solution is less than 0.2 percent by weight.



WO 2004/091438 A3